

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	38	"5,442,780"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 12:38
S2	15	"5,422,780"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 12:38
S3	10	("3116441"   "3469152"   "4065096"   "4227231"   "4502090"   "5168418"   "5245501"   "5317475").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/22 12:51
S4	12	("5422780").URPN.	USPAT	OR	ON	2006/06/22 13:02
S5	1	10/523,087	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:09
S6	9808	solenoid and first near switch\$3 and second near switch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:10
S7	380	solenoid and first near switch\$3 and second near switch\$3 and pick and retain\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:10
S8	807	solenoid and first near switch\$3 and second near switch\$3 and pick and (hold\$3 retain\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:11
S9	757	solenoid and first near switch\$3 and second near switch\$3 and pick and hold\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:12

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S10	199	solenoid and first near switch\$3 and second near switch\$3 and pick and hold\$3 and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:13
S11	54	solenoid and first near switch\$3 and second near switch\$3 and pick and hold\$3 and timer and rectifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:19
S12	199	solenoid and first near switch\$3 and second near switch\$3 and pick and hold\$3 and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:19
S13	96	solenoid and first near switch\$3 and second near switch\$3 and pick and hold\$3 same timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:20
S14	32	solenoid same first near switch\$3 and second near switch\$3 and pick and hold\$3 same timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:22
S15	5	solenoid same first near3 transistor and second near3 transistor and pick and hold\$3 same timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 14:22
S16	94	solenoid and voltage near follower and transistor and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/15 14:48
S17	1	10/523,087	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/15 14:35

## EAST Search History

S18	314	361/139.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/15 16:16
S19	16	solenoid same RC near integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:25
S20	81	solenoid and RC near integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 15:14
S21	16	(solenoid near3 driv\$3) and RC near integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 15:16
S22	2	(solenoid near3 driv\$3) same RC near2 integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 15:16
S23	4	(solenoid near3 driv\$3) same RC near3 integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:30
S24	60	pulse near shap\$3 same RC near integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:26
S25	5	(solenoid near3 driv\$3) same RC with integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:31

## EAST Search History

S26	5	(solenoid near3 driv\$3) same RC near9 integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:32
S27	37	solenoid same RC near9 integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:49
S28	17	"5,422,780"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:47
S29	40	solenoid near RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 17:10
S30	40	solenoid near RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 16:52
S31	562	361/152.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 17:22
S32	24	solenoid adj driv\$3 same pulse near shap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:05
S33	150	solenoid adj driv\$3 and pulse near shap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:05

## EAST Search History

S34	5	solenoid adj driv\$3 and pulse near shap\$3 same RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:23
S35	108	solenoid adj driv\$3 and delay same RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:24
S36	33	solenoid adj driv\$3 and delay near RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:27
S37	0	pulse near shap\$3solenoid adj driv\$3 and delay near RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:27
S38	0	pulse near shap\$3 same integrat\$3 near RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:28
S39	60	pulse near shap\$3 same integrat\$3 near RC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:28
S40	7	pulse near shap\$3 same integrat\$3 near RC and (solenoid coil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:37
S41	9	pulse near shap\$3 same integrat\$3 near3 RC and (solenoid coil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:44

## EAST Search History

S42	5	RC near pulse near shap\$3 same integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:51
S43	37	RC near pulse near shap\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:52
S44	2	RC near pulse near shap\$3 and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 10:53
S45	9	RC near3 pulse near shap\$3 and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:01
S46	11	RC near5 pulse near shap\$3 and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:11
S47	14	RC near9 pulse near shap\$3 and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:12
S48	20	RC with pulse near shap\$3 and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:28
S49	100	solenoid near driv\$3 same rc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:29

## EAST Search History

S50	3	solenoid near driv\$3 same rc near3 integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 14:41
S51	4	solenoid near driv\$3 same rc with integrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:57
S52	2	"20060245134"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 14:41
S53	715	361/154.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 15:39